

Converting Colors

XYZ(34.8491, 37.6332, 30.3250)

Have a look what the booklet for
XYZ(34.8491, 37.6332, 30.3250)
contains.

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Color

**XYZ(34.9474, 37.7119,
30.2481)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA68C
RGB	170, 166, 140
RGB Percent	67%, 65%, 55%
CMY	0.3333, 0.3490, 0.4510
CMYK	0.00, 0.02, 0.18, 0.33
HSL	52°, 15%, 61%
HSV	52°, 18%, 67%
XYZ	34.9474, 37.7119, 30.2481
YIQ	164.2320, 10.7300, -7.2380

Conversions

Conversions Part 2

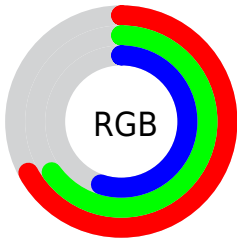
Format	Color
RYB	145, 170, 140
Decimal	11183756
CIELab	67.81, -3.04, 14.00
CIElCh	68, 14.322, 102.245
Yxy	37.7119, 0.3396, 0.3665
Android (android.graphics.Color)	4289373836 (0xFFAAA68C)
YUV	164.2320, -11.9464, 5.0585
Hunter-Lab	61.4100, -5.8862, 13.7831

Details

The XYZ color **34.9474, 37.7119, 30.2481** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.0441, 28.4237, 42.0388**, and the grayscale version is **35.4494, 37.2956, 40.6149**.

A 20% lighter version of the original color is **66.6454, 71.6155, 61.3495**, and **15.3340, 16.6244, 12.0735** is the 20% darker color. If you saturate the color by 10%, you get **33.3818, 36.4340, 24.0123**, and if you desaturate by 10%, it is **36.7159, 39.0851, 37.5079**.

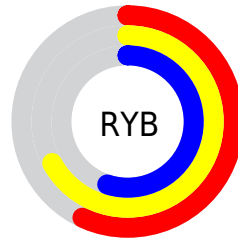
Distribution



Red (67%)

Green (65%)

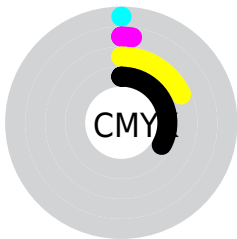
Blue (55%)



Red (57%)

Yellow (67%)

Blue (55%)

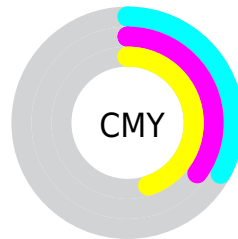


Cyan (0%)

Magenta (2%)

Yellow (18%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9474, 37.7119, 30.2481 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.9474, 37.7119, 30.2481 by changing the saturation by 10% instead.

■ 34.9474, 37.7119,
30.2481

■ 34.9474, 37.7119,
30.2481

315.8482,
336.3825, 317.3024

■ 23.7887, 25.7592,
19.7733

■ 66.7388, 71.6663,
61.1199

■ 15.3008, 16.6436,
12.0479

■ 88.1023, 94.4368,
82.3541

■ 9.1185, 9.9807,
6.6534

■ 113.5980,
121.5820, 108.0118

■ 4.8763, 5.3862,
3.1712

143.5913,
153.4863, 138.5116

■ 2.2089, 2.4756,
1.1827

178.4477,
190.5341, 174.2720

■ 0.7474, 0.8644,
0.0000

218.5323,

■ 0.0000, 0.0000,

233.1098, 215.7116

0.0000

264.2107,
281.5978, 263.2489

■ 34.9474, 37.7119,
30.2481

■ 34.9474, 37.7119,
30.2481

■ 33.3818, 36.4340,
24.0123

■ 36.7159, 39.0851,
37.5079

■ 32.0073, 35.2428,
18.7516

■ 38.6928, 40.5521,
45.8331

■ 30.8152, 34.1360,
14.4162

■ 40.8868, 42.1176,
55.2656

■ 29.7952, 33.1095,
10.9515

■ 43.3053, 43.7847,
65.8444

■ 28.9356, 32.1585,
8.2967

■ 45.9555, 45.5563,
77.6064

■ 28.2235, 31.2778,
6.3835

■ 48.8440, 47.4352,
90.5872

■ 27.6436, 30.4613,
5.1322

■ 51.3264, 49.1635,
101.3921

■ 27.1718, 29.6992,
4.4153

■ 51.7935, 50.0977,
101.5478

■ 27.0665, 29.5237,
4.2721

■ 52.2681, 51.0470,
101.7060

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1599, 37.7119, 30.4966



34.9474, 37.7119, 30.2481



33.0535, 37.7119, 32.6700

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.9474, 37.7119, 30.2481



32.7797, 37.7119, 49.8298



40.0596, 37.7119, 44.8990

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.9474, 37.7119, 30.2481



28.0441, 28.4237, 42.0388

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.7874, 37.7119, 50.7801



34.9474, 37.7119, 30.2481



34.5596, 37.7119, 53.8225

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.9474, 37.7119, 30.2481



31.8370, 37.7119, 43.7063



36.7559, 37.7119, 54.1872



40.1739, 37.7119, 38.5263

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.9474, 37.7119, 30.2481



32.2020, 37.7119, 35.6341



36.7559, 37.7119, 54.1872



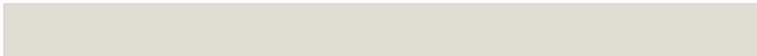
39.7508, 37.7119, 47.0145

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.9484, 37.7136, 30.2489



67.4968, 71.5790, 71.7274



30.9901, 29.3163, 30.4113



14.9991, 15.9226, 15.7739



82.5889, 86.8899, 94.6231



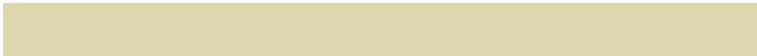
15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.9484, 37.7136, 30.2489



62.3065, 67.5407, 50.4450



33.4068, 38.0142, 30.3882



8.0604, 8.6008, 8.0246



19.9396, 21.7764, 3.1523



0.5079, 0.5753, 0.0843

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.0441, 28.4237, 42.0388



47.5218, 47.6485, 75.6943



29.3967, 28.2382, 41.9317



7.2094, 7.4557, 9.4775



5.5823, 2.6248, 28.1879



0.1594, 0.1109, 0.6937

Previews

White Background



This preview shows how the XYZ color 34.9474, 37.7119, 30.2481 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.9474, 37.7119, 30.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

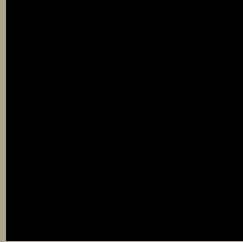
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

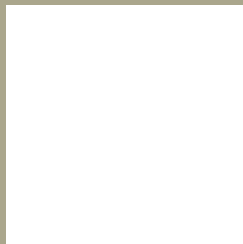
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9474, 37.7119, 30.2481

Background



This preview shows how black text looks on a background with the XYZ color 34.9474, 37.7119, 30.2481.



This preview shows how white text looks on a background with the XYZ color 34.9474, 37.7119,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.9474, 37.7119, 30.2481

Protanopia

35.5709, 37.7730, 29.8422

Deuteranopia

38.4411, 37.6665, 30.4436



Tritanopia

38.0640, 37.6597, 45.3073

Trichromacy



Original Color

34.9474, 37.7119, 30.2481

Protanomaly

35.3489, 37.6586, 29.8318

Deuteranomaly

37.2565, 37.8310, 30.5378

Tritanomaly

36.8524, 37.6873, 39.5145

Monochromacy



Original Color

34.9474, 37.7119, 30.2481

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.0974, 37.3838, 36.3763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9474, 37.7119, 30.2481 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(170, 166, 140)` looks like.

```
.text, #text, p{  
    color:rgb(170, 166, 140)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(170, 166, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 166, 140) }
```

Border

The CSS property to change the border of an element to XYZ 34.9474, 37.7119, 30.2481 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 166, 140) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(170, 166, 140) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(170, 166, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 166, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 166, 140);  
box-shadow:4px 4px 4px 4px rgb(170, 166,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9474, 37.7119, 30.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 166, 140) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(170,  
166, 140) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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